

To: Seyfried, Erin[Seyfried.Erin@epa.gov]; Lana.Davis@shell.com[Lana.Davis@shell.com]
From: Heather.Ptak@shell.com
Sent: Tue 8/6/2013 6:56:58 PM
Subject: RE: Geotech Questions

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Erin,

Yes, sorry I haven't gotten back to you yet. We do have responses to several of these. I'll ask Lana to pass those along. We're still trying to get in touch with our drilling engineer to answer some of the others. We'll try and track him down today and see what we can find out.

Thanks,

Heather

From: Seyfried, Erin [mailto:Seyfried.Erin@epa.gov]
Sent: Tuesday, August 06, 2013 10:53 AM
To: Ptak, Heather A SEPCO-UAA/A/SD
Subject: FW: Geotech Questions

Hi Heather – Have you had a chance to look into these questions? I have been working out of the office since last Friday (more productive when I lock myself in my home office!), and am hoping to get the Geotech gp and supporting documents to internal review shortly so I can stay on track with the proposed schedule.

If you would like to schedule a time to talk about these questions, just let me know (I won't be in the office until Thursday, and I will be out of the office on leave Friday and Monday).

Thank you,

Erin

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From: Seyfried, Erin
Sent: Thursday, August 01, 2013 11:28 AM
To: Heather.Ptak@shell.com
Subject: Geotech Questions

Hi Heather – Here are the questions I had for geotech (just wanting to clarify a few things). We can schedule a time to talk about this later, or feel free to just respond via email if that is easier/ more convenient.

1) In the NPDES permit application (Form 2C) the desalination unit wastes are listed as having a mean daily flow of 10,320 m³/day (which happens to be the same flow provided for non-contact cooling water). Is this correct? Or is this a typo? This rate is significantly greater than the rate provided for exploration well desal discharges.

2) In the NPDES permit application (Form 2C), a rate of 7,000 gpd is provided for muds/cuttings (at the seafloor), however, when I was looking over estimated volumes of muds/cuttings (Table 2 of the “AOGA Response” to our May 2013 questionnaire), the numbers don’t seem to correlate. What am I missing? Does the estimated discharge rate include entrained seawater?

3) The NPDES permit application does not request coverage for “boiler blowdown”, but this is still included in the AOGA response document. I just wanted to confirm that this is not a requested discharge.

4) Based on the Geotech Presentation last week (7/25 – and thanks, again, for putting that on, very helpful!), Cary stated that the possible 2014 Geotech Program would include 30 boreholes in the Chukchi and 7 boreholes in the Beaufort. I was wondering, how many of these holes are likely to be “deep” holes, and how many are “shallow.” For purposes of distinguishing shallow vs. deep holes, is it okay to state that shallow is <50 feet in depth, and deep is >50 feet in depth?

Thank you!

-Erin

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